Utah Division of Air Quality
New Source Review Section

Company _____
Site/Source_____
Date _____

Form 6
Cyclone

Equipment Information	
1. Manufacturer: _____ Model no.: _____	2. Type of cyclone: ☐ wet ☐ dry ☐ Single ☐ Multiple: number _____ ☐ In series : number _____
3. Type of particulate: _____ Particulate size: _____microns (mean geometric diameter)	4. Efficiency of cyclone: At design maximum:_____% At average operation: _____%
5. Pressure drop through cyclone (inches water):	6. Method of handling material removed:
Gas Stream Characteristics	
7. Particulate grain loading: Inlet: _____ Outlet: _____	8. Total flow rate (acfm): Design maximum: _____ Average expected: _____
9. Gas stream temperature (^{o}F):	
Emissions Calculations (PTE)	
10. Calculated emissions for this device PM_{10} _____Lbs/hr_____ Tons/yr Submit calculations as an appendix.	

Instructions

NOTE: 1. **Submit this form in conjunction with Form 1 and Form 2.**
2. Call the Division of Air Quality (DAQ) at **(801) 536-4000** if you have problems or questions in filling out this form. Ask to speak with a New Source Review engineer. We will be glad to help!

1. Fill in the cyclone manufacturer's name and model number.
2. Indicate the type of cyclone being used.
3. Supply what the material is being controlled, and its mean geometric diameter in microns (μ).
4. Fill in the efficiency of the cyclone at the maximum and average operating levels.
5. Indicate the pressure drop through the cyclone (inches water).
6. Describe the method of handling the material removed by the cyclone.
7. Indicate the gas stream particulate grain loading at inlet and outlet.
8. Specify the flow rate in actual cubic feet per minute at the design maximum and average.
9. Specify the gas stream temperature as it goes through the cyclone.
10. Supply calculations for all criteria pollutants. Use AP42 or Manufacturers data to complete your calculations.